



1/12

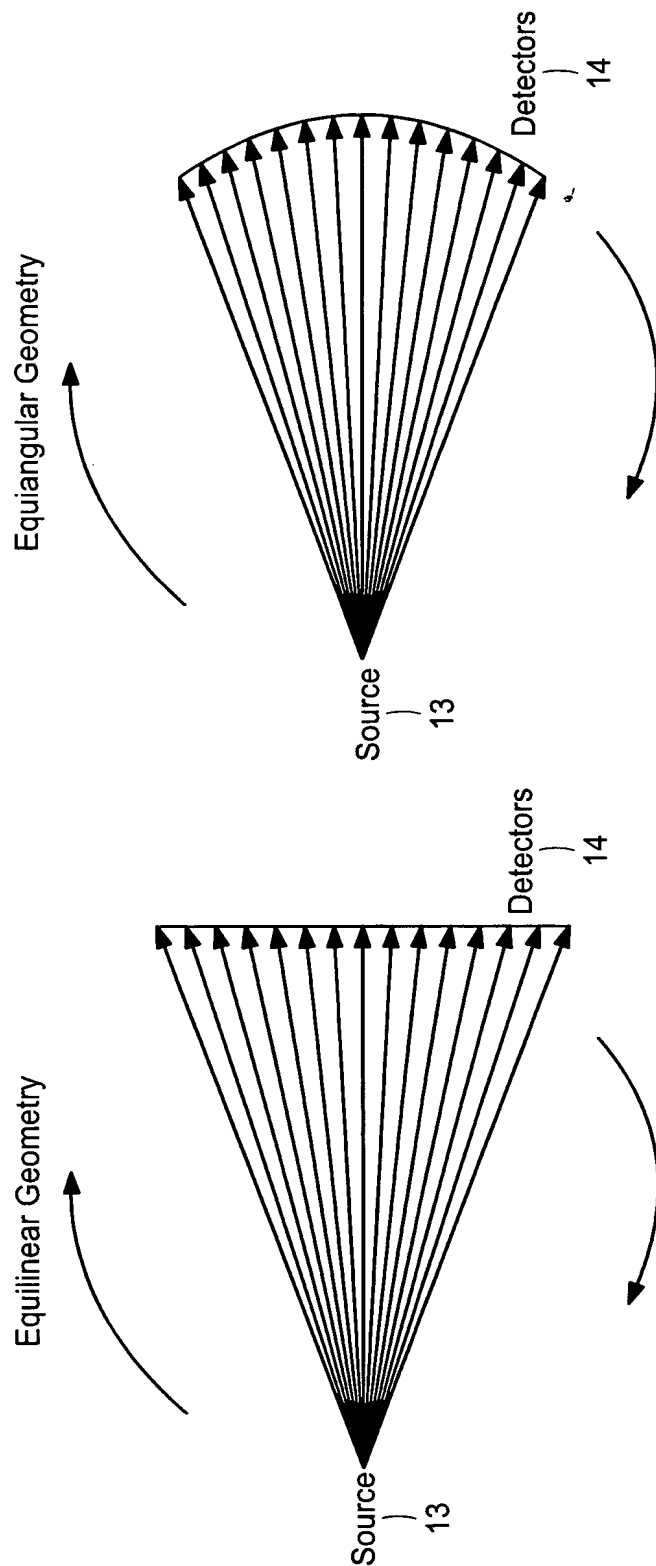


FIG. 1

2/12

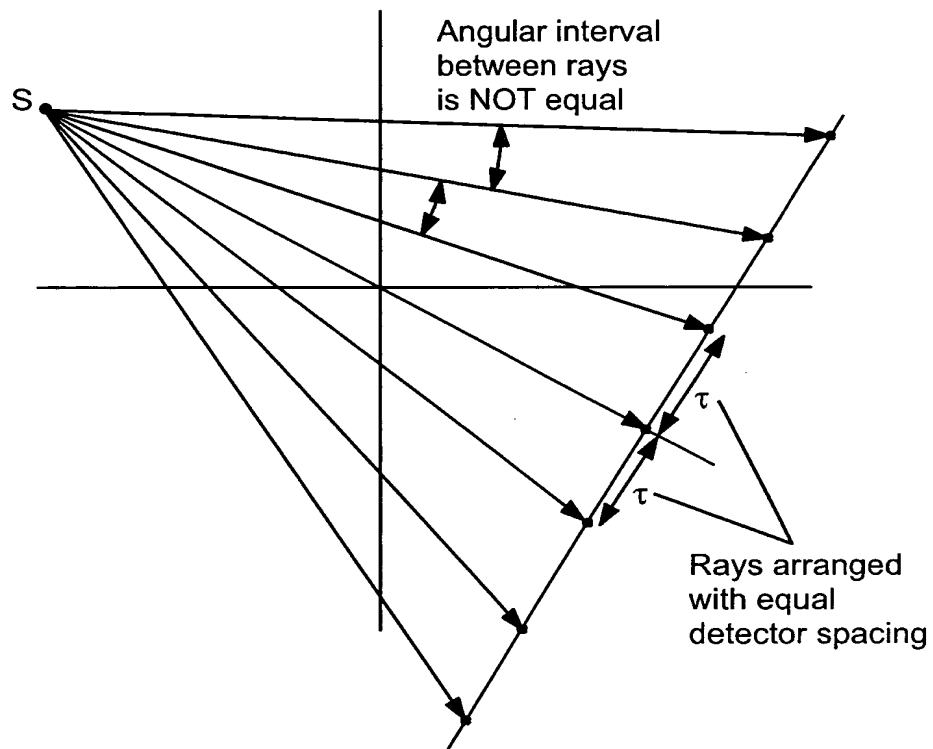


FIG. 2

3/12

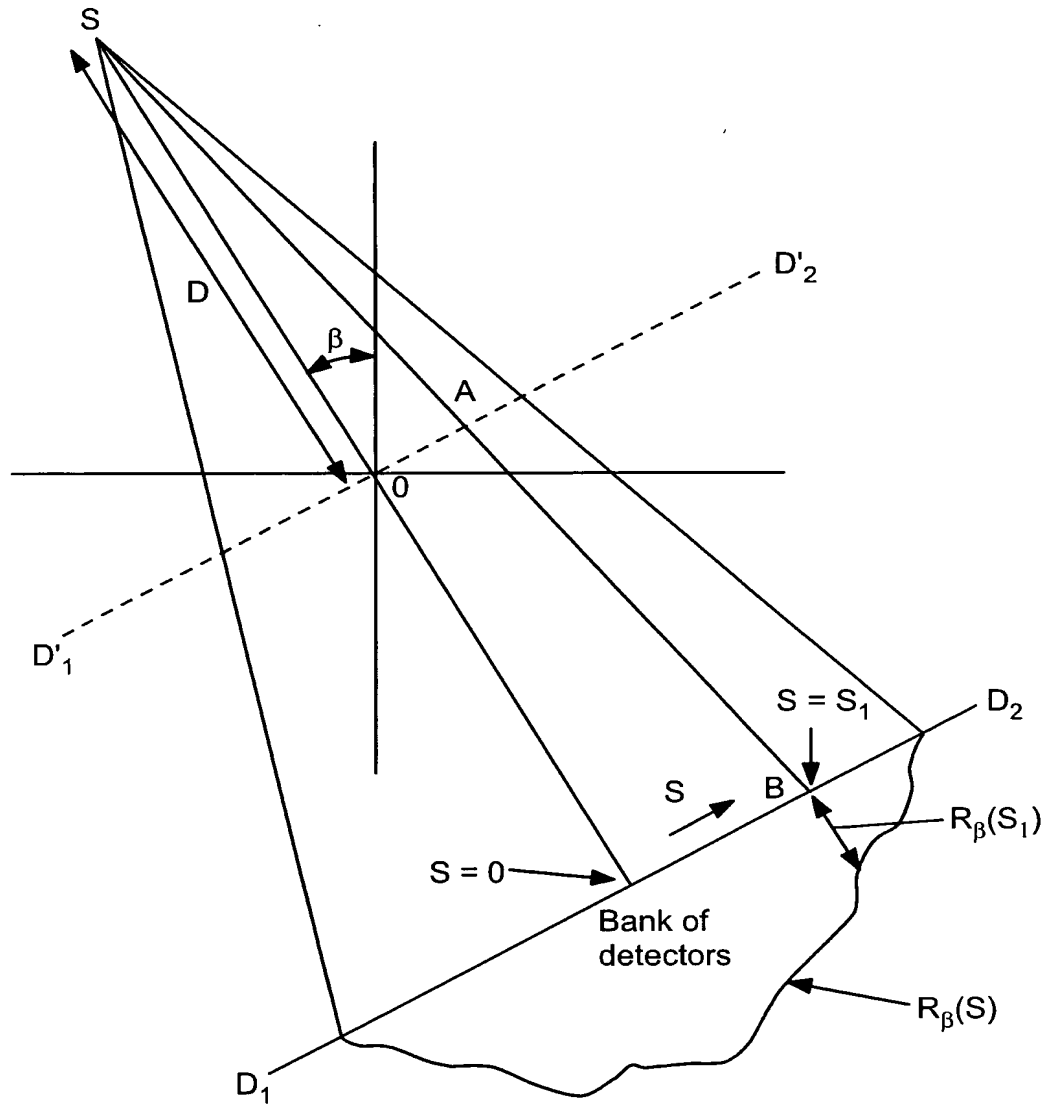


FIG. 3

Figure 1



FIG. 5

6/12

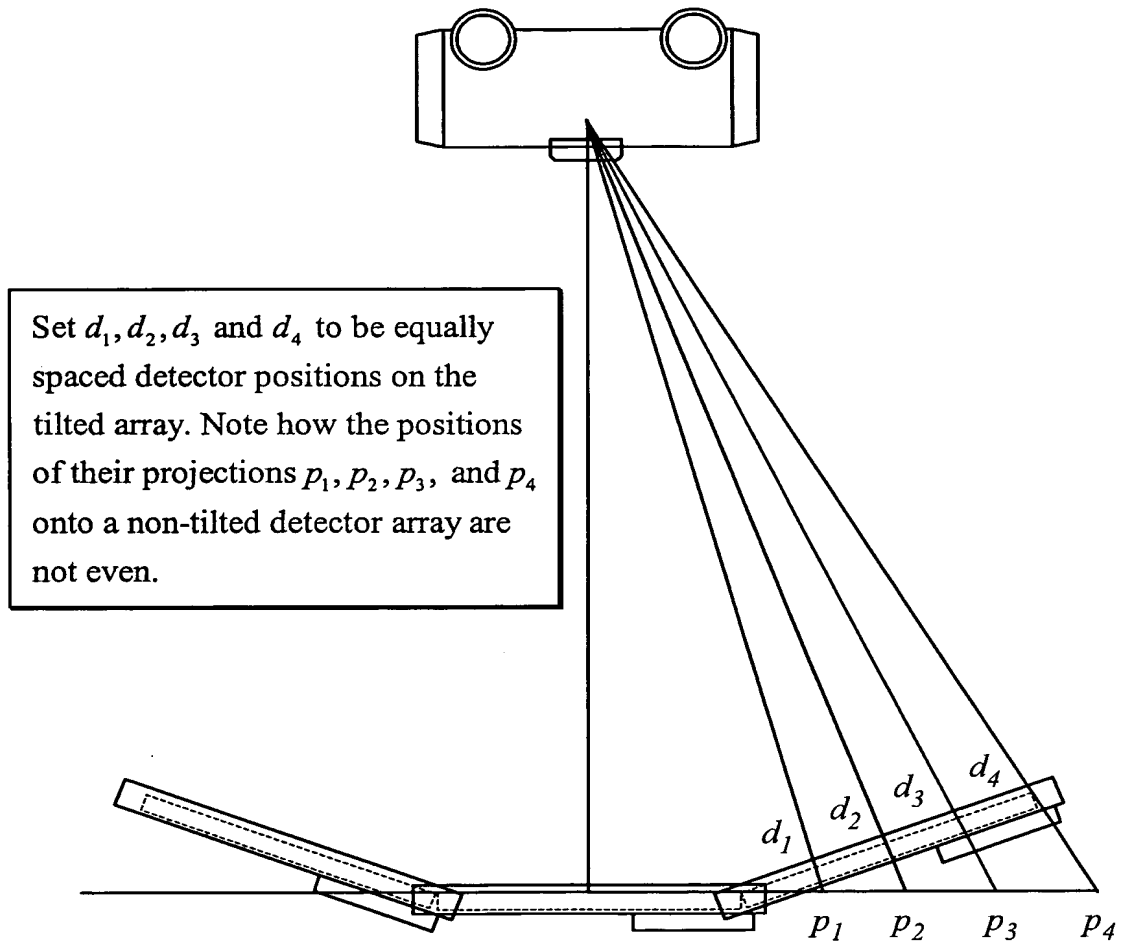


FIG. 6

7/12

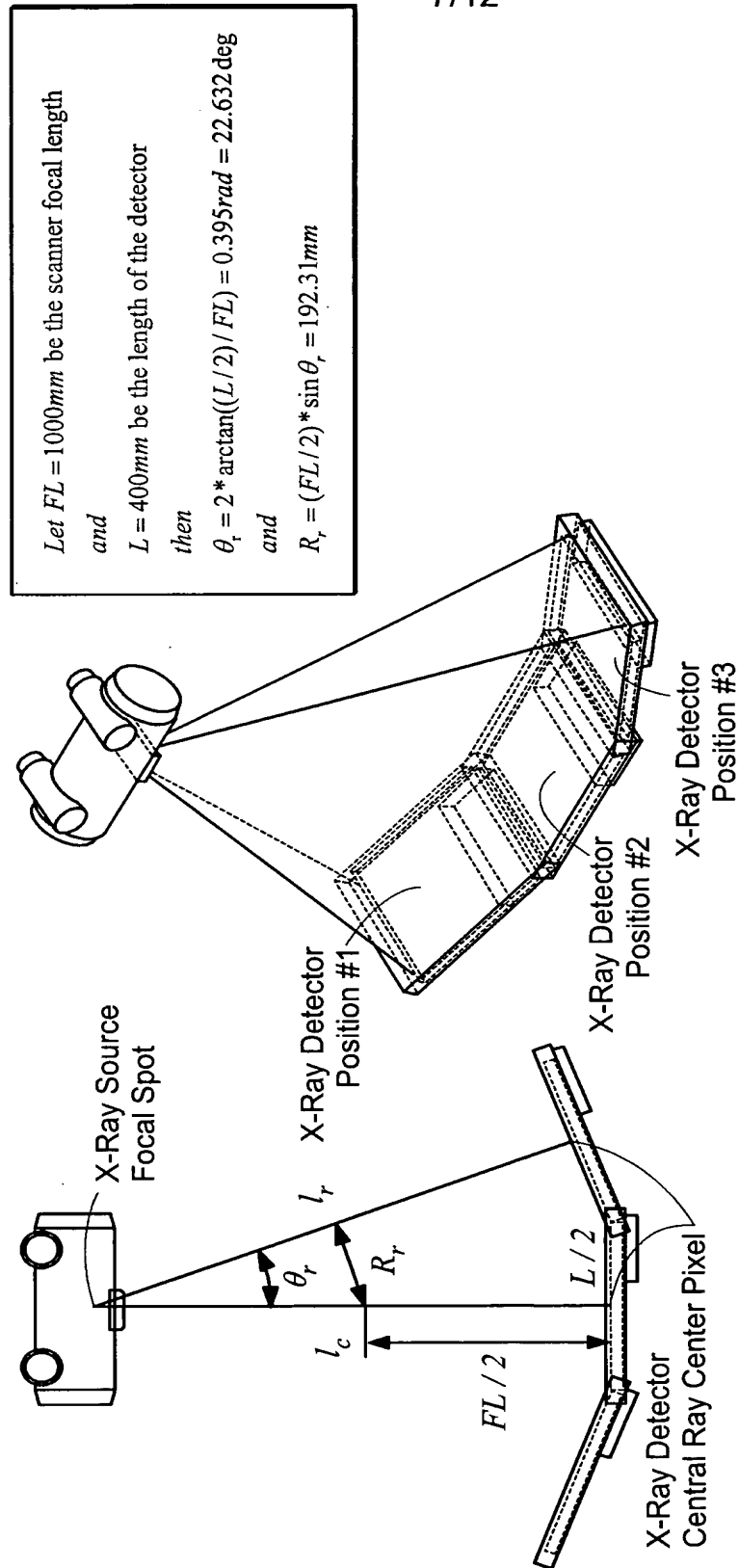


FIG. 7

8/12

Let  $FL = 1000mm$  be the scanner focal length  
 and  
 $L = 400mm$  be the length of the detector  
 then  
 $\theta_a = \arctan(L / FL) = 0.3804rad = 21.795deg$   
 and  
 $R_a = (FL / 2) * \sin \theta_a = 185.695mm$

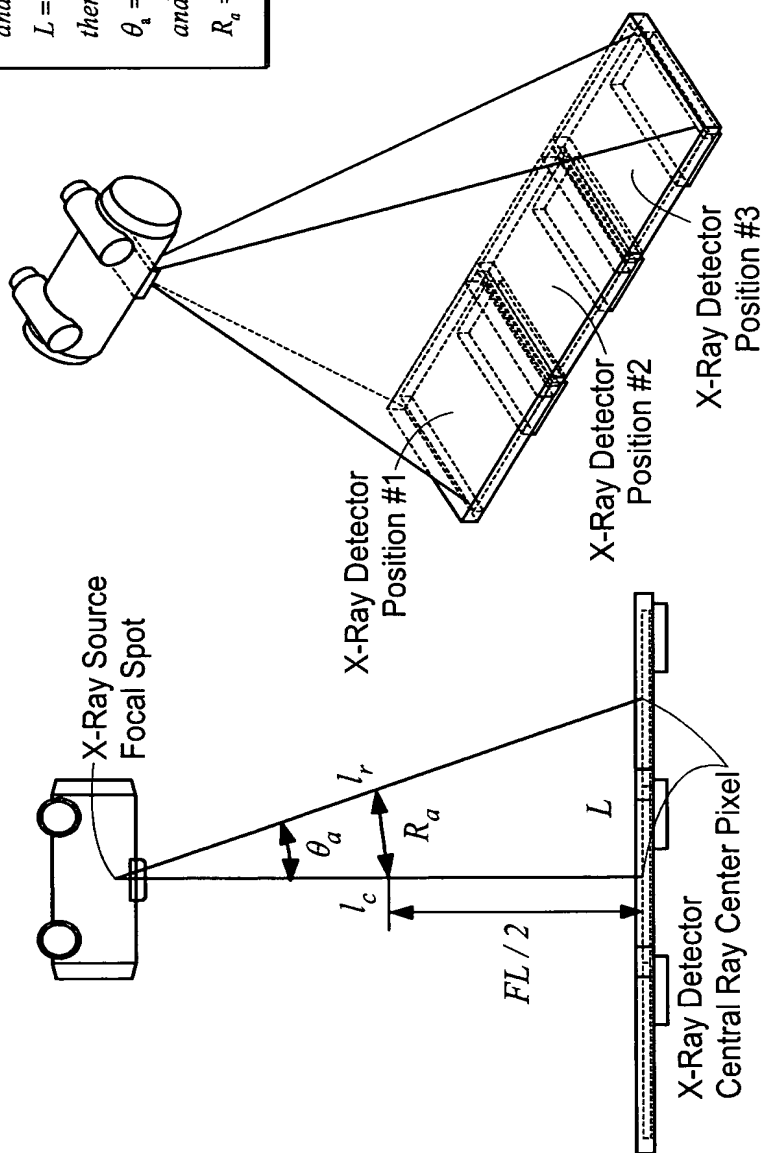


FIG. 8



FIG. 9A
FIG. 9B

FIG. 9

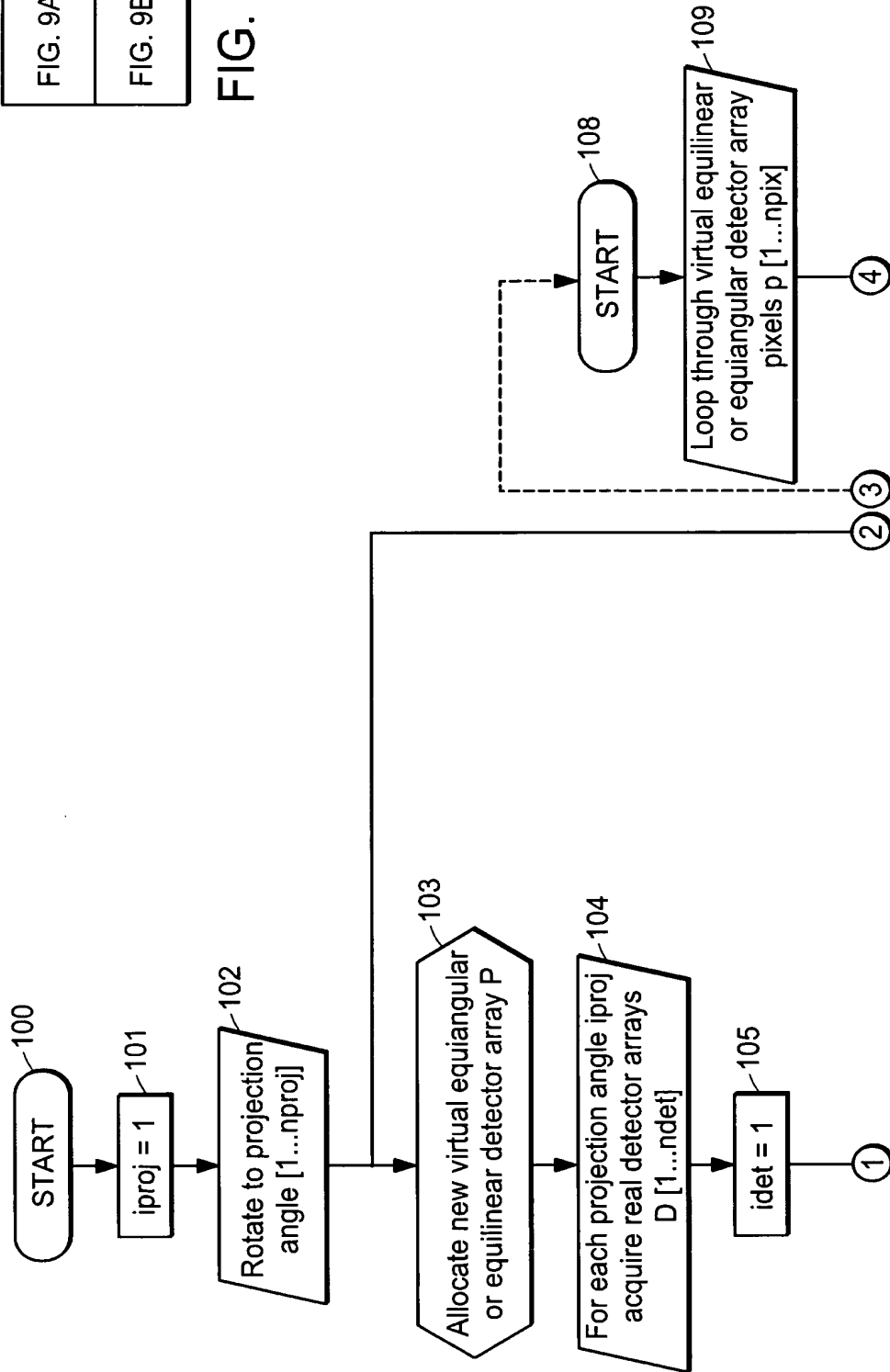


FIG. 9A

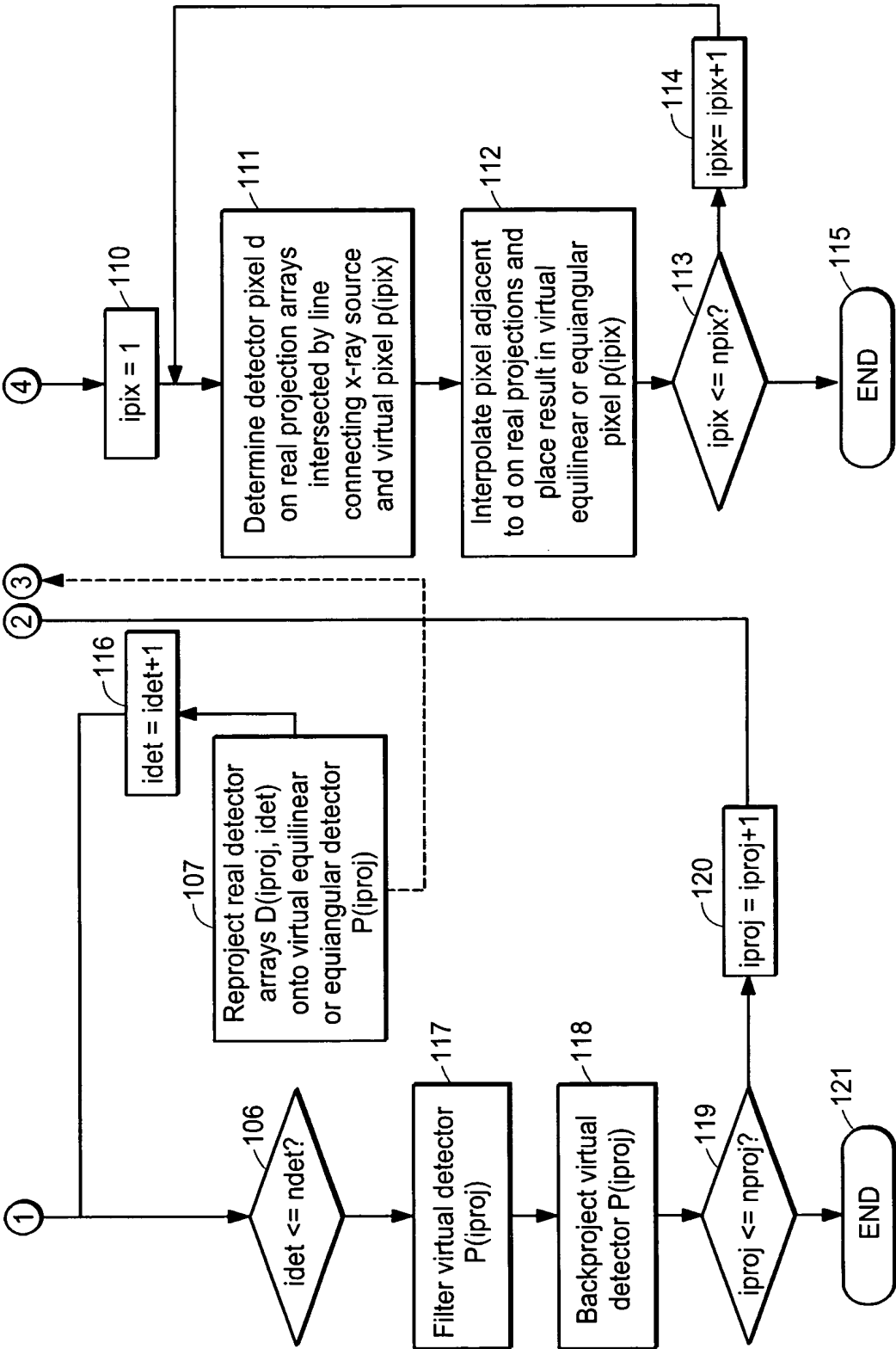


FIG. 9B

11/12

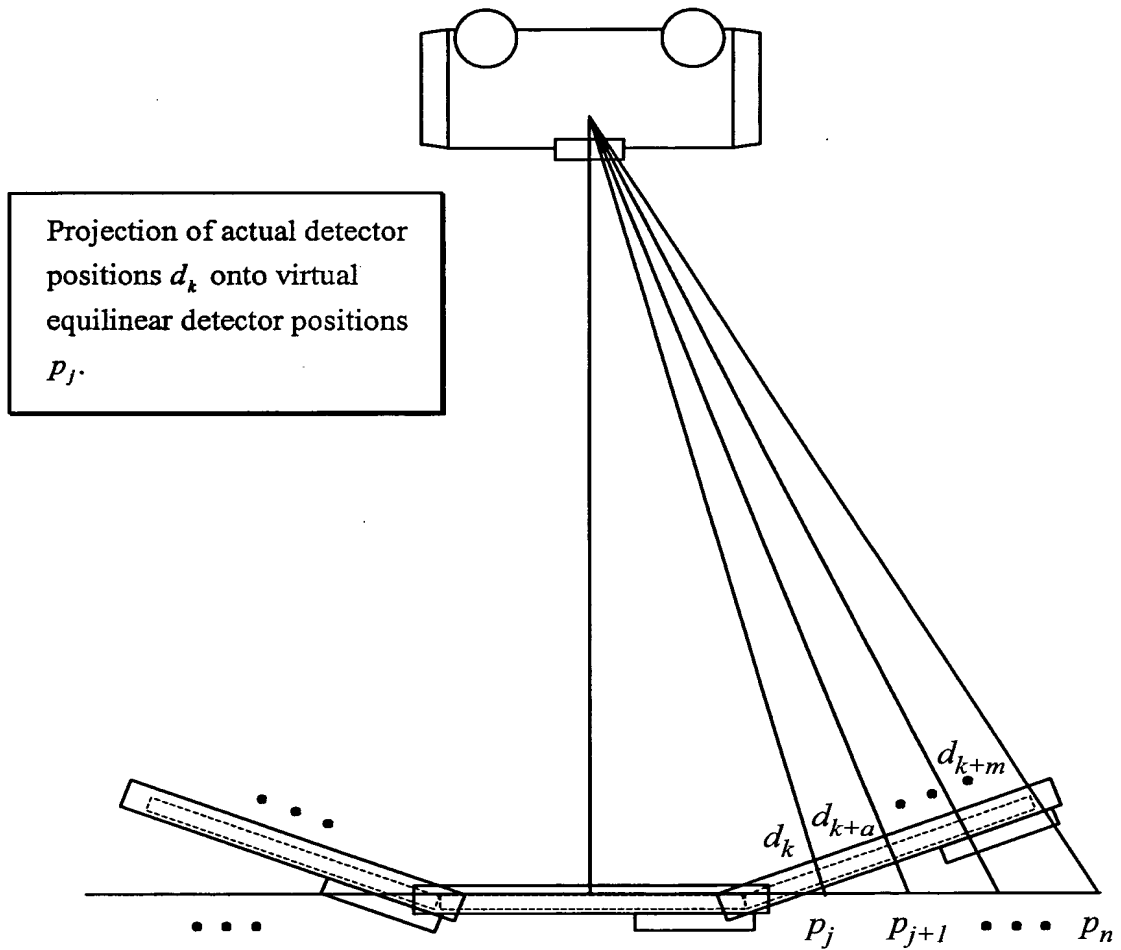


FIG. 10

12/12

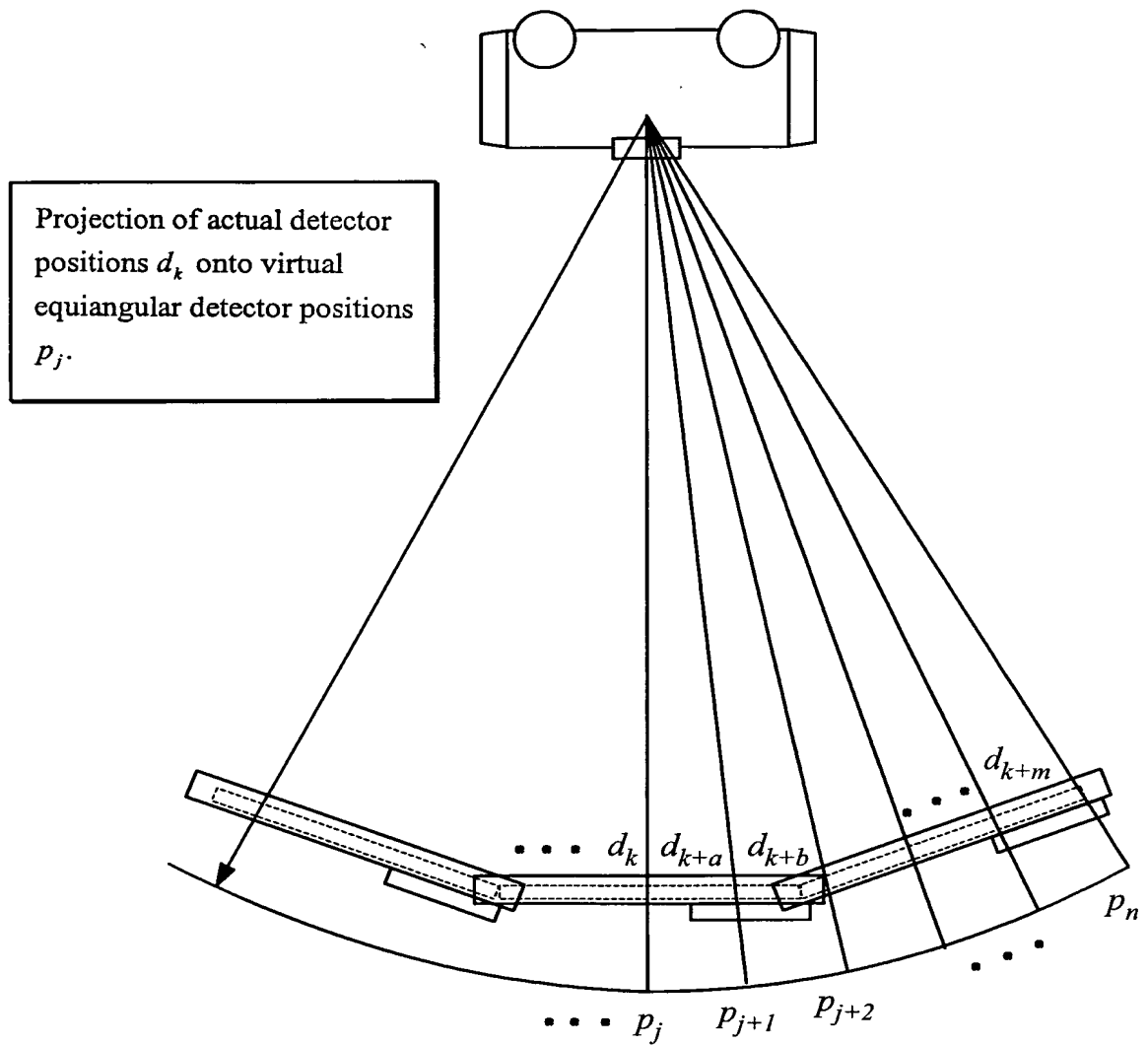


FIG. 11